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新疆翠雀属(毛茛科)一新种——文采新翠雀花

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Delphinium neowentsaii, a new species of the Ranunculaceae from Xinjiang, China

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Abstract　A new species of the genus *Delphinium* (Ranunculaceae) from Tianshan, Xinjiang, China, *D. neowentsaii* C. Y. Yang, is described and illustrated. The new species is similar to *D. laxiflorum* DC. in having leaves reniform, petioles not dilated at base, flowers small, inflorescence laxly racemose, pedicels adpressed pubescent, spur of the upper sepal conic-subulate, 13-15 mm long, 3 mm wide at base, outside pubescent, sepals blue, but differs by having both petals and staminodes yellowish.

Key words　*Delphinium*, *Delphinium neowentsaii* C. Y. Yang, Ranunculaceae, new species, Xinjiang, China.

摘要　报道了产于中国新疆天山的翠雀属(毛茛科)一新种——文采新翠雀花*Delphinium neowentsaii* C. Y. Yang。该种的叶为肾形,叶柄基部不扩展,花较小,组成稀疏总状花序,花梗被贴伏短柔毛,上萼片的距圆锥状钻形,长13-15 mm,基部宽约3 mm,外面疏被短柔毛,萼片蓝色,与西伯利亚的疏花翠雀花*D. laxiflorum* DC.很相似,但其花瓣和退化雄蕊均为淡黄色而易于区别。

关键词　翠雀属; 文采新翠雀花; 毛茛科; 新种; 新疆; 中国

2003年春天,乌鲁木齐市新疆兵团第二中学高中班学生杨宗宗(现为北京师范大学生物系学生)送给我3份翠雀属*Delphinium* L.标本。其中1份正在开花,从乌鲁木齐县水西沟乡采集,海拔2750 m,生长在雪岭云杉*Picea schrenkiana* Fisch. & Mey.林缘。那里是中国天山北坡博格达山脉东北角山地,群峰林立,山高路险,人难到达,该植物生长在亚高山林缘陡坡上,植株少,长势低,开花晚(8月中下旬),其花瓣和退化雄蕊均为淡黄色,经反复查对国内外资料,确定该植物为新种。

文采新翠雀花　新种　图 1

Delphinium neowentsaii C. Y. Yang, sp. nov.　Fig. 1

Species *D. laxifloro* DC. maxime similis, sed petalis et limbis staminodiorum flavidis (haud caeruleis) facile differt.

Herba perennis. Caules circ. 30 cm alti, simplices, inferne dense albido-strigosi, supra medium pubescentes vel glabri, aequaliter foliati. Folia basalia et caulina inferiora longe petiolata; laminae papyraceae, ambitu reniformes, 2.5-4.5 cm longae, 5-8 cm latae, 3-partitae, basi late cordatae, supra adpresse puberulae, subuts ad nervos sparse strigulosae, segmento

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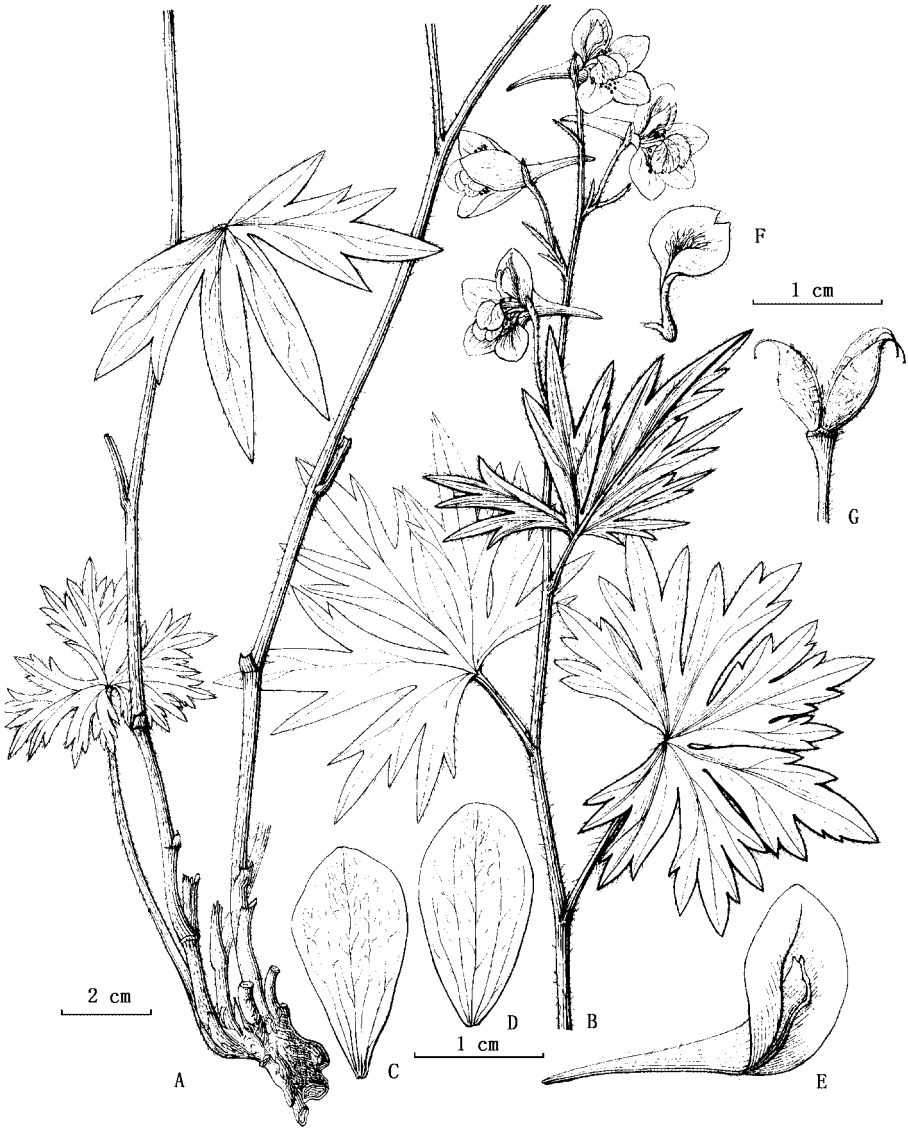

图1　文采新翠雀　A. 植株下部; B. 植株上部; C. 下萼片; D. 侧萼片; E. 上萼片示花瓣; F. 退化雄蕊; G. 3心皮。(谭黎霞根据杨宗宗0431号标本绘)

Fig. 1. *Delphinium neowentsaii* C. Y. Yang.　A, the lower part of plant; B, the upper part of plant; C, interior sepal; D, lateral sepal; E, superior sepal; F, three carpels. Drawn by L. X. Tan from the type gathering, Z. Z. Yang　0431 (XJA-IAC).

mediano ambitu rhomboideo 3-partito, lobis secondariis 2-3-fidis vel indivisis, segmentis lateralibus oblique flabellatis inaequaliter 2-partitis; folia caulina superiora eis inferioribus similia, sed breviter petiolata. Racemi terminales 4-5-flori; rhachides adpresse puberulae; bracteae breviter petiolatae, inferiores 3-sectae, segmentis oblongo-linearibus vel anguste oblongis, 1.5-4.5 cm longis, 2-11 mm latis, integris, superiores indivisae lanceolatae, 1-2 cm longae, supra subglabrae, subtus adpresse puberulae; pedicelli 1-3 cm longi, superne

densissime inferne densiuscule adpresse puberuli, apice recurvi, 2-bracteolati; bracteolae floribus contiguae, lineares vel anguste lanceolatae, 5-7 mm longae, 1-2 mm latae, apice acutae, oppositae vel suboppositae; flores parvi, cernui; sepala coerulae, superius late ovatum, calcari conico-subulato, 13-15 mm longo, basi 3 mm lato, apice obtuso, erecto vel horizontali, lateralia ovato-elliptica, inferiora obovato-oblonga, extus sparse depresseque puberula, margine ciliata; petala flavida, complana, linearia, glabra, 9 mm longa, 2 mm lata, apice oblique truncata; staminodia flavida, circ. 10 mm longa, limbis ovatis, circ. 6 mm longis, 5 mm latis, ad medium 2-lobatis, margine repandis, pilosis, ventre medio luteo-barbellatis, unguibus circ. 4 mm longis, puberulis, basi appendiculatis; stamina numerosa, circ. 5 mm longa, glabra; carpella 3, dense depresseque puberula. Fl. Jul.-Aug.

China. Xinjiang (新疆): Ürümqi County (乌鲁木齐县), Tianshan (天山), Shuixigou (水西沟), alt. 2750 m, forest margin, 2001-08-18, Z. Z. Yang (杨宗宗) 0431 (holotype, XJA-IAC).

多年生草本。茎高约30 cm,不分枝,下部密被淡白灰色倒向糙伏毛,中部以上被短柔毛或无毛,等距地生叶。基生叶和下部茎生叶具长柄;叶片纸质,肾形,长2.5-4.5 cm,宽5-8 cm,3深裂,基部宽心形,上面被贴伏毛,背面沿脉有糙伏毛,中央裂片菱形,3深裂,次回侧片2-3裂,少不裂;侧裂片斜扇形,不等二深裂;上部茎生叶与下部茎生叶相似,但具短柄。总状花序顶生,4-5朵花;花序轴被贴生短绒毛;苞片有短柄,下部苞片3全裂,裂片长圆状条形或狭长圆形。长1.5-4.5 cm,宽2-11 mm,全缘,上部苞片不裂,披针形,长1-2 cm,上面近无毛,背面被贴生短绒毛;花梗长1-3 cm,上部密被、下部疏被贴生短绒毛,顶端稍俯垂,有小苞片;小苞片邻近花,条形或狭披针形,长5-7 mm,宽1-2 mm,先端急尖,对生或近对生;花小;萼片蓝色,上萼片阔卵形,萼距圆锥状钻形,长13-15 mm,基部粗3 mm,末端钝、直立或水平;侧萼片卵状椭圆形,下萼片倒卵状长圆形,外被稀疏贴生短柔毛,边缘有睫毛;花瓣淡黄色,扁平,条形,无毛,长9 mm,宽2 mm,先端斜截形;退化雄蕊淡黄色,长约10 mm,瓣片卵形,长约6 mm,宽约5 mm,2浅裂,边缘浅波状,被长柔毛,腹面中央有黄色髯毛,爪瓣长约4 mm,被短柔毛,基部有附属物;雄蕊多数,长约5 mm,无毛;心皮3,密被贴伏短柔毛。花期7-8月。

本种的叶为肾形,叶柄基部不扩展,花较小,组成稀疏总状花序,花梗被贴伏短柔毛,上萼片的距圆锥状钻形,长13-15 mm,基部宽约3 mm,外面疏被短柔毛,萼片蓝色,因此近似西伯利亚的疏花翠雀花*D. laxiflorum* DC.,但花瓣和退化雄蕊均为淡黄色(非天蓝色),易于区别。根据其花萼、花瓣和退化雄蕊的特征,该种可能属兰花翠雀组sect. *Kolobopetala* Huth的成员。

该种目前仅在模式产地采到,极为稀见。新种以王文采教授命名,以表示对他的敬意。

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